ANITPOV, B.A.; ZUYEV, V.Ye.; KOKHANENKO, P.N.; SONCHIK, V.K.; FEDYUSHIN, A.A.

Transparency of a horizontal atmospheric layer in the region from 0.7---14 μ . Part 2. Dependency of the integral transmission of the atmosphere in the region from 0.7 - 14 μ on the thickness of the precipitable water. Izv.vys.ucheb.zav.; fiz. no.3:72-75 '60. (MIRA 13:7)

1. Sibirskiy fiziko-tekhnicheskiy institut pri Tomskom gosuniversitete im. V.V.Kuybysheva.
(Atmospheric transparency)
(Infrared rays)
(Humidity)

40687

S/169/62/000/008/032/090
E202/E392

3.5150

AUTHORS: Antipov, B.A., Zuyev, V.Ye., Kokhanenko, P.N., Sonchik, V.K. and Fedyushin, A.A.

TITLE: Methods and certain results of studies of horizontal transparency of the atmosphere to long-wave radiation

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 8, 1962, 31, abstract 8B232. (In the symposium 'Aktinometriya i atmosfern. optika' (Actinometry and atmospheric optics), Leningrad, Gidrometeoizdat, 1961, 248 - 251)

TEXT: The effect of meteorological conditions on the transparency of the atmosphere to long-wave radiation (0.7 - 14 μ) over distances of 1.2, 3.5, 6.6 and 9.9 km was studied. Flat metallic radiators with electrical heating were used as sources of radiation. A vacuum thermo-element with a vibro-converter and a measuring amplifier 28AM (28IM) served as a receiver. The receiver was placed in the focus of a parabolic mirror. Simultaneously with the measurements at all four points the meteorological conditions were also measured, viz. temperature of

Card 1/2

Methods and certain results ....

the air, humidity, wind and intensity of precipitate. The results of the measurements were presented in the form of radiation curves vs. distance. The seasonal relation with maximum attenuation which coincides with the period of highest absolute humidity was found. A sharp attenuation of radiation was observed up to 5.5 km during the winter period, then it decreased, while during the summer period a sharp attenuation was observed up to 6.5 km.
[Abstracter's note: Complete translation.]

Card 2/2

89693
S/139/61/000/001/001/018
E032/414

6,3200

AUTHORS: Antipov, B. A., Zuyev, V. Ye., Kokhanenko, P. N., Sonchik, V. K. and Fedyushin, A. A.

TITLE: Transparency of the Horizontal Layer of the Atmosphere in the Region 0.7 to 14 μ. III. Dependence of the Total Transmission of the Atmosphere in the Region 0.7 to 14 μ on the Thickness of the Precipitated Layer of Water

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, 1961, No. 1, pp. 17-19

TEXT: In previous papers (Refs. 1 and 2) the present authors described an apparatus and a method of measurement of the transparency of the atmospheric layer next to the earth surface in the region 0.7 to 14 μ and for distances between 1.21 and 9.86 km. The experimental material obtained was also reported. In the present paper additional data recently obtained are reported. As an approximation, the magnitude of the transmitted signal was described in Ref. 2 by the exponential law

$$v = v_0 e^{-a\sqrt{wL}} \qquad (1)$$

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Transparency of the Horizontal ...

where w is the thickness of the precipitated water in mm per km, L is the distance traversed by the radiation in km, a is a constant and v_o is the intensity in the absence of the absorbing medium. Eq. (1) was obtained empirically and gave a sufficiently good representation of the experimental results. This expression accounts for the absorption of the infrared radiation by water vapour only and does not take into account absorption by carbon dioxide or effects due to atmospheric turbidity. The criterion for the applicability of Eq. (1) is the linear dependence between lg v and $a\sqrt{wL}$. The new data now reported are also well represented by Eq. (1) right up to wL = 90 mm. However, for greater values of wL, the dependence between lg v and $\sqrt{wL}$ is no longer linear and in order to describe all the experimental data the following formula was employed

$$v = \frac{c}{1 + wL} + k \qquad (2)$$

where c and k are constants. This expression is also purely empirical and the criterion for its applicability is a linear

Card 2/3

Transparency of the Horizontal ...

relation between v and $(1 + wL)^{-1}$. Fig. 2 shows the dependence of v on wL. During the measurements the sensitivity of the receiving apparatus was controlled by a 6 watt lamp at a distance of 5 m from the detector. It was found that the signal due to the lamp was very dependent on the humidity of the air. It is therefore pointed out that the use of a standard source at a short distance from the receiver may introduce errors unless corrections for the humidity are introduced. There are 2 figures and 2 Soviet references.

ASSOCIATION: Sibirskiy fizkio-tekhnicheskiy institut pri Tomskom gosuniversitete imeni V. V. Kuybysheva
(Siberian Physicotechnical Institute of the Tomsk State University imeni V. V. Kuybyshev)

SUBMITTED: February 13, 1960

Card 3/3

[illegible], A. P., ed.

Moscow.
Organization and extension of business accounting in agricultural machinery plants
Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1952. [illegible] p. (54-33213)

TSentral'nyy institut organizatsii truda i mekhanizatsii proizvodstva. Organizatsiia i... 1952. (Card 2, 54-44713)

HD9486.R9M6

S/122/61/000/012/008/008
D221/D303

AUTHOR: Fedyushin, A.M., Docent

TITLE: Scientific conference on problems of applying mathematical methods and the latest computer techniques to planning machine construction plants in factories

PERIODICAL: Vestnik mashinostroyeniya, no. 12, 1961, 76 - 78

TEXT: The Moskovskiy inzhenerno-ekonomicheskiyy institut im. S. Ordzhonikidze (Moscow Engineering and Economical Institute im. S. Ordzhonikidze)) (MIEI) and Mosgorsovnarkhoz organized a scientific conference in Moscow during July 1961. The paper of MIEI Chancellor O.V. Kozlovaya dealt with mathematical methods and new computer techniques . S.K. Lileyev (ZIL) and M.I. Slutskiy (NIITavtoprom) reported on the main tendencies in mechanization and automation of control at Avtozavod im. Likhacheva (Automobile Factory im. Likhachev). S.M. Dumler (Chelyabinskiy politekhnicheskiy institut (Chelyabinsk Polytechnic Institute)) read a paper on the new mathematical methods and models in the planning and organization of produc-

Card 1/3

tion quoting the Magnitogorskiy metallurgicheskiy kombinat (Magnitogorsk Metallurgical Combine). Yu.Ya. Kaazik and R.R. Mullari (Tartuskiy gosudarstvennyy universitet (Tartu State University)) reported on the application of mathematical methods for work planning of machine shops. V.I. Dudorin (Laboratoriya Mosgorsovnarkhoza pri MIEI (Laboratory of Moscow City Sovnarkhoz at MIEI)) discussed the application of the simplex linear method of programming for calender planning of mass production. The paper of P.M. Petukhov and M.V. Nedlinaya (Institut ekonomii AN KazSSR (Institute of Economics AS Kazanskaya SSR)) described the practice of simplex linear programming for the optimum distribution of the annual production schedule for months. V. V. Golovinskiy (Laboratory of Moscow City Sovnarkhoz at MIEI) discussed the criterion of economy in the mathematical methods of internal factory planning. The paper of N. A. Salomatin (Laboratory of Moscow Town Sovnarkhoz at MIEI) dealt with the practice of plotting the graph of production start and output of workpieces. B.S. Mordvinov of Omsk read a paper on the composition of shift tasks by computers. F.I. Paramonov of Kuybyshev reported on calculating the main parameters of graphs on

Scientific conference on problems ...

work of small nomenclature sections with the subject form of specialization. The paper on calculation of qualitative indices of work in an engineering plant on the basis of many correlative relationships was read by Ye.G. Liberman and V.P. Khaykin (Khar'kovskiy inzhenerno-ekonomicheskiy institut (Kharkov Engineering and Economics Institute)). I.Ye. Nelidov (Laboratory of Moscow City Sovnarkhoz at MIEI) discussed the practical use of computer techniques in planning the sovnarkhoz. N.D. Brodskiy (Laboratory of Moscow City Sovnarkhoz at MIEI) reported on the system of computer analysis of information concerning the work of plants. The conference approved the practical direction of studies made by several institutes. It has expressed a desire for establishing computing centers for the existing scientific research laboratories. The creation of a special institute for developing problems of applying mathematical methods and computers in the planning and economical work of plants by coordinating with MIEI is recommended.

Card 3/3

FEDYUSHIN A.M.

SOV-3-58-8-8/26

AUTHORS: Girovskiy, V.F., Docent, Candidate of Economical Sciences and Fedyushin, A.M.

TITLE: A Laboratory for Solving Problems Has Been Organized by Combined Efforts (Ob"yedinennymi usiliyami sozdana problemnaya laboratoriya)

PERIODICAL: Vestnik vysshey shkoly, 1958, Nr 8, pp 35 - 36 (USSR)

ABSTRACT: For many years the scientific-pedagogical personnel of the Moscow Engineering and Economics Institute imeni S. Ordzhonikidze (MIEI) have helped a number of enterprises to improve the economics, organization and technology of production. After the reorganization of industry and the establishment of sovnarkhozes the MIEI personnel concentrated on rendering scientific assistance to the enterprises of the Sovnarkhoz of the Moscow (city) Economic Administrative District. The first step in this direction was the establishment of a scientific-research laboratory for the economics and organization of production. The purpose of this laboratory is the investigating of important problems connected with the industrial development of Moscow. The author mentions the most important research to be done

Card 1/2

A Laboratory for Solving Problems Has Been Organized by Combined Efforts

in 1958, provided for in a plan, and deals in detail with some of the items. The personnel consists of 14 professors and 19 docents and candidates of sciences. In individual projects the participation of members of the Moscow State Economics, Textile and Forestry-Engineering Institutes, as well as of the Technological Institute of the Light and Food Industries, and of the Higher Party School will be invited.

Association: Moskovskiy inzhenerno-ekonomicheskiy institut imeni S. Ordzhonikidze (Moscow Engineering and Economics Institute imeni S. Ordzhonikidze).

Card 2/2

FEDYUSHIN, A. V. _ Omsk Agricultural Institute imeni S. M. Kirov

Adaptation
"SEASONAL/REACTION(Destrobilization) in Cestodes Parasitic of Non-Migratory Birds"
Doklady AN SSSR, Vol 41 No 8, 1943

FEDYUSHIN, A. V.

Fedyushin, A. V. "A new form of trematode fromdomestic chickens", Trudy Gel'mintol. laboratorii (Akad. nauk SSSR), Vol. II, 1949, p. 94-95.

SO: U-4630, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 23, 1949).

FEDYUSHIN, A. V.

Petrov, A. M. and Fedyushin, A. V. - "New nematode of the domestic and wild ducks - Amidostomum boschadis nov. sp," Trudy Mosk. zooparka, Vol. IV, 1949, p. 273-81

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

FEDYUSHKIN, A. V.

36300

Rol' travopol'noy sistemy zemledeliya v bor'be s pastbishchnymi kleshchami i kleshchevymi bole znyami cheloveka i sel'skokhoyastvennykh zhivotnykh. Zool. Zhurnal 1949 VYP. 6, s 485-94, Bibliogr: 20 Nazv.

SO: Letopis' Zhurnal'nykh Statey, No. 49, 1949

FEDYUSHIN, A. V.-Chair of Zoology, Omsk Agricultural Inst. im S. M. Kirov
Field

"The Role of the Grassland/System of Farming in the Control of Pasture Ticks and Tick Diseases of Man and Agricultural Animals"

Zool Zhur, Vol 28, No 6, 1949

also: W-16916

FEDYUSHIN, A. V.

Review of Prof. S. P. Naumov and Docent'N. P. Lavrov's Book: Biology of Domestic Animals and Birds in the USSR

Zool.Zhur., Vol 28, No 6, 1949

FEDYUSHIN, A. V.

"Helminths and Helminthiasis of Grouse and Phasianic Birds of Western Siberia and Souther Urals"
Byul Mosk. Obshch. Ispytat. Prirody, Otdel Biol, Vol 54, No 2, 1949

FEDYUSHIN, A.V.

Certain new forms of cestodes parasitic on game birds of the order Galliformes in northern Kazakhstan and southern Urals. Trudy Inst. zool AN Kazakh.SSR 1:182-189 '53. (MLRA 10:1)
(Parasites--Galliformes) (Cestoda)

FEDYUSHIN, A. V.

K izucheniyu Raillietina (Paroniella) urogalli - parazita teterevinykh ptits, "Works on Helminthology" on the 75th Birthday of K. I. Skryabin, Izdat, Akad. Nauk, SSSR, 1953, page 723.
Chair of Zoology, Omsk Agricultural Inst. im.S. M. Kirov

FEDYUSHIN, A.V.

FEDYUSHIN, A.V., prof., doktor biol. nauk.

Helminths of domestic hens in Western Siberia. Trudy VIGIS 5:103-104 '53. (MIRA 11:1)

(Siberia, Western--Worms, Intestinal and Parasitic)
(Parasites--Poultry)

FEDYUSHIN, A.V.

New and little known species of birds of the White Russian S.S.R.
Biul. MOIP. Otd. biol. 59 no.4:17-22 Jl-Ag '54. (MLRA 7:9)
(White Russia--Birds) (Birds--White Russia)

FEDYUSHIN, Anatoliy Vladimirovich; VASIL'KOV, G.V., redaktor; VESKOVA, Ye.I., tekhnicheskiy redaktor

[How to control worm infestation in poultry] Kak predokhranit' domashnikh ptits ot zarazheniia glistami. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 55 p. (MLRA 9:8)
(Poultry--Diseases and pests)
(Worms, Intestinal and parasitic)

Fedyushin, A.V.

USSR/ Medicine - Parasitology

Card 1/1 Pub. 22 - 54/54

Authors : Fedyushin, A. V.

Title : Experimental polymorphism of domesticated chicken

Periodical : Dok. AN SSSR 106/2, 375-376, Jan 11, 1956

Abstract : Scientific data are presented on the effects of experimental polymophosis among domesticated chicken. Fifteen references: 11 USSR, 3 Germ., and 1 Fr. (1913-1955).

Institution : .....

Presented by: Academician K. I. Skryabin, September 16, 1955

AFANAS'YEVA, A.L., kand.biol.nauk; BAYERTUYEV, A.A., kand.sel'skokhozyaystvennykh nauk; BAL'CHUGOV, A.V., kand.sel'skokhozyaystvennykh nauk; BELOZEROVA, M.A., agronom; BELOZOROV, A.T., kand.sel'skokhozyaystvennykh nauk; MAKSIMENKO, V.P., agronom; BERNIKOV, V.V., doktor sel'skokhozyaystvennykh nauk; BOGOMYAGKOV, S.T., kand.sel'skokhozyaystvennykh nauk; VOLYNETS, O.S., agronom; BODROV, M.S., kand.sel'skokhozyaystvennykh nauk; BOGOSLAVSKIY, V.P., kand.tekhn.nauk; KHRUPPA, I.F., kand.tekhn.nauk; VERNER, A.R., doktor biol.nauk; VOZBUTSKAYA, A.Ye., kand.sel'skokhozyaystvennykh nauk; VOINOV, P.A., kand.sel'skokhozyaystvennykh nauk; VYSOKOS, G.P., kand.biol.nauk; GALDIN, M.V., inzhener-mekhanik; GERASIMOV, S.A., kand.tekhn.nauk; GORSHENIN, K.P., doktor sel'skokhozyaystvennykh nauk; YELENEV, A.V., inzhener-mekhanik; GERASKEVICH, S.V., mekhanik [deceased]; ZHARIKOVA, L.D., kand.sel'skokhozyaystvennykh nauk; ZHEGALOV, I.S., kand.tekhn.nauk; ZIMINA, Ye.A., agronom; BARANOV, V.V., kand.tekhn.nauk; PAVLOV, V.D.; IVANOV, V.K., kand.sel'skokhozyaystvennykh nauk; KAPLAN, S.M., kand.sel'skokhozyaystvennykh nauk; KATIN-YARTSEV, L.V., kand.sel'skokhozyaystvennykh nauk; KOPYRIN, V.I., doktor sel'skokhozyaystvennykh nauk; KOCHERGIN, A.Ye., kand.sel'skokhozyaystvennykh nauk; KOZHEVNIKOV, A.R., kand. sel'skokhozyaystvennykh nauk; KUZNETSOV, I.N., kand.sel'skokhozyaystvennykh nauk; LAMBIN, A.Z., doktor biol.nauk; LEONT'YEV, S.I., kand.sel'skokhozyaystvennykh nauk; MAYBORODA, N.M., kand.sel'skokhozyaystvennykh nauk; MAKAROVA, G.I., kand.sel'skokhozyaystvennykh nauk; MEL'NIKOV, G.A., inzhener; ZHDANOV, B.A., kand.sel'skokhozyaystvennykh nauk; MIKHAYLENKO, M.A., kand.sel'skokhozyaystvennykh nauk; MAGILEVTSEVA, N.A., kand.sel'skokhozyaystvennykh nauk;

(Continued on next card)

AFANAS'YEVA, A.L.... (continued) Card 2.
NIKIFOROV, P.Ye., kand.sel'skokhozyaystvennykh nauk; NEMASHEV, N.I., lesovod; PERVUSHINA, A.N., agronom; PLOTNIKOV, N.A., kand.biol.nauk; L.G.; kand.sel'skokhozyaystvennykh nauk; PAVLOV, V.D., kand.tekhn. nauk; PRUTSKOVA, M.G., kand.sel'skokhozyaystvennykh nauk; GURCHENKO, V.S., agronom; POPOVA, G.I., kand. sel'skokhozyaystvennykh nauk; PORTYANKO, A.F., agronom; RUCHKIN, V.N., prof.; RUSHKOVSKIY, T.V., agronom; SAVITSKIY, N.S., kand.sel'skokhozyaystvennykh nauk; BOLDIN, D.T., agronom; NESTEROVA, A.V., agronom; SERAFIMOVICH, L.B., kand. tekhn.nauk; SMIRNOV, I.N., kand.sel'skokhozyaystvennykh nauk; SEREBRYANSKAYA, P.I., kand.tekhn.nauk; TOKHTUYEV, A.V., kand. sel'skokhozyaystvennykh nauk; FAL'KO, O.S., inzh.; FEDYUSHIN, A.V., doktor biol.nauk; SHEVLYAGIN, A.I., kand.sel'skokhozyaystvennykh nauk; YUFEROV, V.A., kand.sel'skokhozyaystvennykh nauk; YAKHTENFEL'D, P.A., kand.sel'skokhozyaystvennykh nauk; SEMENOVSKIY, A.A., red.; GOR'KOVA, Z.D., tekhn.red.

[Handbook for Siberian agriculturists] Spravochnaia kniga agronoma Sibiri. Moskva, Gos. izd-vo sel'khoz. lit-ry. Vol.1. 1957. 964 p.
(Siberia--Agriculture) (MIRA 11:2)

FEDYUSHIN, A.V.

Conference on the count and mapping of the distribution of terrestrial vertebrates. Zool.zhur. 36 no.12:1912-1914 D '57. (MIRA 11:1)

(Zoogeography)

AUTHOR: Fedyushin, A.V., Professor SOV-26-58-3-37/51

TITLE: The White Grouse - a Potential Nuisance of Orchards (Belaya kuropatka - potentsial'nyy vreditel' plodovykh sadov)

PERIODICAL: Priroda, 1958, Nr 3, pp 113-114 (USSR)

ABSTRACT: Academician E.N. Pavlovskiy has given a new interpretation to the "potentially noxious animals of agriculture", and states a case with the white grouse in the new agricultural areas of Siberia. This bird, which formerly fed on the buds and shoots of willov and birch, turned to the orchards, especially apple trees, where it preferred the thick flower buds, thus reducing considerably harvest expectations. Professor A.D. Kizyurin reported in detail on such damage done in the kolkhoz "1 May" of the Ul'yanovskiy Rayon in Omsk Oblast'. There is 1 photo and 1 Soviet reference.

ASSOCIATION: Omskiy sel'skokhozyaystvennyy institut (Omsk Agricultural Institute)

1. Birds--Nutrition 2. Birds--Economic aspects 3. Trees--USSR

Card 1/1

FEDYUSHIN, A.V.

Natural resources of feed proteins in waters of the U.S.S.R. and their utilization in animal husbandry. Zool. zhur. 40 no. 2:159-163 F '61. (MIRA 14:2)

1. Omsk Agricultural Institute.
(Feeds) (Fresh-water fauna) (Fresh-water flora)

FEDYUSHIN, A.V.

New data on the distribution of wild boar in Western Siberia. Izv. Omsk. otd. Geog. ob-va. no.5:127-129 '63. (MIRA 17:5)

FEDYUSHIN, A.V.

Qualitative differences of the intra- and interspecific relations of organisms in the light of recent data. Izv. Omsk. otd. Geog. ob-va no.6:39-46 '64. (MIRA 18:9)

SEREBRENIKOV, V.N.; PETROV, F.A.; FEDYUSHIN, A.V.; UKHIN, I.I.; MAKARENKOV, Ya.P.

Anniversaries. Zhivotnovodstvo 23 no.3:88 Mr '61. (MIRA 17:1)

Msd. FEDYUSHIN, B.K.

360
BREMSSTRAHLUNG RADIATION OF ELECTRON ON ELECTRON IN THE NONRELATIVISTIC CASE. B. K. Fedyushin. Zhur. Eksptl'. i Teoret. Fiz. 22, 140-2(1952) Feb. (In Russian)

The bremsstrahlung of electron on electron is considered in the nonrelativistic case taking exchange into account, and the mean energy losses of electron in matter due to bremsstrahlung on electrons are evaluated. (U.Y.)

Leningrad State U.

FEDYUSHIN, B.K.

Elementary theory of capture-gamma radiation for a homogeneous plane shield. Geofiz. prib. no.15:80-82 '63.

Albedo of thermal neutrons for a two-layer plane shield. Ibid.:83-86 (MIRA 17:4)

ORANOVSKIY, V.Ye.; PANASYUK, Ye.I.; FEDYUSHIN, B.T.

Studying the electroluminiscence of single crystals of ZnS and CuCl [with summary in English]. Insh.-fiz.shur. no.1:39-45 Ja '59. (MIRA 12:1)

1. Fizicheskiy institut im. P.N.Lebedeva, Moskva.
(Crystals--Electric properties)

ACC NR: AP7000791 (N) SOURCE CODE: UR/0089/66/021/005/0382/0383

AUTHOR: Fedyushin, B. K.

ORG: none

TITLE: Propagation of captured γ radiation in a spherical homogeneous screen

SOURCE: Atomnaya energiya, v. 21, no. 5, 1966, 382-383

TOPIC TAGS: gamma radiation, gamma flux, reactor neutron flux, reactor shielding, neutron capture

ABSTRACT: This is a summary of article no. 104/3511, submitted to the editor and filed, but not printed in full. It deals with a system consisting of a sphere serving as an isotropic source of thermal neutrons, surrounded by a spherical homogeneous screen in which the thermal neutrons are captured producing γ photons. Formulas are derived for the dose intensity of the γ radiation leaving the screen and the flux of thermal neutrons on the boundary between the screen and the surrounding vacuum and for some auxiliary quantities involved in the calculations. The author thanks Engineering-Physicist A. F. Tverdov for a useful discussion. Orig. art. has: 1 figure and 11 formulas.

SUB CODE: 18/ SUBM DATE: 17Nov65/ OTH REF: 002

Card 1/1 UDC: 621.039.538.7

42193

S/051/62/013/004/008/023
E039/E491

24 3500

AUTHOR: Fedyushin, B.T.

TITLE: Effect of the electric field on the γ-luminescence of ZnS single crystals

PERIODICAL: Optika i spektroskopiya, v.13, no.4, 1962, 558-563

TEXT: An electric field is applied to a single crystal of ZnS by means of metal electrodes and 0.1 m curies of Ra^{226} is used as a source of γ-rays. A steel filter 1.5 mm thick can be interposed between the γ-ray source and the ZnS and a 0.05 mm thick copper foil can be interposed between the ZnS and the recording photomultiplier. The intensity of the γ-luminescence is increased when an electric field is applied to the electrodes. The ratio of the increase in intensity of γ-luminescence when the steel filter plate is removed, for the case with and without an electric field, gives a measure of the intensification produced by the electric field. In a typical example, when the electric field $E = 9 \times 10^3$ V/cm at a frequency of 500 cycles, the intensification is $\approx 3 \times 10^4$. The effect of varying the electric field and frequency is investigated. It appears that the intensification

Card 1/2

Effect of the electric field ...

of γ-luminescence by the electric field is due to the injection of auxiliary charge carriers in the regions of concentrated field in the crystal. The ionization processes caused by collisions and also directly by the field are discussed in detail. It is concluded that the mechanism of excitation of crystals by the electric fields is a combination of ionization processes due to collisions and direct field emission. There are 4 figures and 2 tables.

SUBMITTED: August 15, 1961

Card 2/2

43406

S/051/62/013/005/012/017
E202/E192

AUTHORS: Ryzhkov, V.A., and Fedyushin, B.T.

TITLE: Temperature dependence of the electroluminescence of the ZnS-Cu, Cl single crystals

PERIODICAL: Optika i spektroskopiya, v.13, no.5, 1962, 721-723

TEXT: Using single crystals of ZnS-Cu, Cl obtained by the gaseous phase Zn + H_2S reaction, the authors studied the relation between the brightness of the electroluminescence and temperature. The latter was controlled thermostatically over 110 - 375 °K to within ± 1 °K. The direction of the exciting electrical field was coaxial with the axis of the main growth of the crystal. The average value of electroluminescence at various fixed voltages ranging from 1 to 3.2 kV, and 300 c.p.s. were plotted against the above temperature range. The brightness was also plotted against frequency ranging up to 2 kc/s, for a constant 2.4 kV, as three isotherms of 292, 215 and 113 °K. Observations regarding the relations between the phase of the main brightness peak and temperature and frequency showed that the phase changes only

Card 1/2

very weakly with temperature but increases with the increasing frequency. These results confirmed the work of A.N. Georgobianin and M.V. Fok (Opt. i spektr., 9, 1960, 775) showing that freeing of the trapped polarisation electrons is due to the field and not due to the thermal mechanism.
There are 4 figures.

SUBMITTED: October 9, 1961

Card 2/2

KOLIYEV, M.F.; FEDYUSHIN, F.Ye.

Mass poisoning of swine by Johnson grass. Veterinariia 40 no.10:45-46 O'63. (MIRA 17:5)

1. Nachal'nik veterinarnogo otdela Ministerstva proizvodstva i zagotovok sel'skokhozyaystvennykh produktov Severo-Osetinskoy ASSR (for Koliyev). 2. Direktor Severo-Osetinskoy respublikanskoy veterinarnoy laboratorii (for Fedyushin).

Fedyushin, M. P.

Fedyushin, M. p. "The results of strdying the value of skin paste for determining the functional condition of the connective tissue", Trudy Akad. med. nauk SSSR, Vol. 1, 1949, p. 139-45.--Bibliog:

SO: U-411, 17 July 1953,(Letopis 'Zhurnal 'nykh Statey, No. 20, 1949)

FEDYUSHIN, M.P.

[Cancer of the lip and its treatment] Rak guby i ego lechenie. [Leningrad] Medgiz, 1955. 59 p. (MIRA 8:10)
(LIPS--CANCER)

FEDYUSHIN, M.P.

MILONOV, B.V.

"Carcinoma of the lip and its treatment." M.P. Fediushin. Reviewed by B.V. Milonov. Vop. onk. 2 no.1:115-116 '56 (MLRA 9:4)

(LIPS--TUMORS) (FEDIUSHIN, MIKHAIL PETROVICH)

FEDYUSHIN, M.P. (Leningrad, 22, Kirovskiy pr., d. 61, kv. 16.)

Combined radiation therapy for cervical cancer metastases with X rays and radioactive needles. Vop. onk., 2 no.6:711-717 '56 (MLRA 10:4)

1. Iz II khirurgicheskogo otdeleniya (zav.-prof. A.I. Rakov) Instituta onkologii AMN SSSR (dir.-chl.-korr. AMN SSSR prof. A.I. Serebrov)

(LYMPH NODES, neoplasms
metastatic of neck, radiother, combined with radioactive needles)
(RADIOTHERAPY, in various dis.
cancer of cervical lymph nodes, radiother. combined with radioactive needles)

FEDYUSHIN, M.P.

FIEDYUSHIN, M.P. Doc Med Sci -- (diss)" Medical Tactics in Metastasis of Cancer of the Lower Lip and Tongue." Len, 1957. 22 pp (Min of Pub [redacted] th ASSR. Central Sc[redacted] Res Roentgen-Radiological Inst[redacted]). 200 copies. List of Author's works : [redacted] titles) (KL, 10-58, 121).

FEDYUSHIN, Mikhail Petrovich

[Cancer of the lips and oral cavity; cause and prevention] Rak guby i organov polosti rta; prichiny vozniknoveniia i mery preduprezhdeniia. Moskva, Medgiz, 1958. 18 p. (MIRA 12:6)

(MOUTH--CANCER) (LIPS--CANCER)

EXCERPTA MEDICA Sec 16 Vol 7/12 Cancer Dec 59

*5159. **Postoperative immunization of gastric cancer patients (Russian text)** FEDOSHIN M. P. Inst. of Oncol., Med. Acad. of Sci., Leningrad *Vopr. Onkol.* 1959, 5/8 (180-183) Tables 2

During the period 1953-1956 a total of 54 cases were treated. All had had a radical operation for gastric cancer. The vaccine was obtained from the Gamaleya Institute. One course of injections was given to 39 patients, 2 to 14, and 3 courses to 1 patient only. According to the state of affairs in September 1957, the results were the same as those in a control group of 53 patients. Nevertheless, it should be borne in mind that repeated vaccinations could not be given to all patients.

FEDYUSHIN, M.P. (Leningrad, P-22, Kirovskiy pr., d.61, kv.16)

Causes of martality following radical surgery in stomach cancer; data of the Oncological Institute of the Academy of Medical Sciences of the U.S.S.R. Vop. onk. 9 no.7:102-110 '63. (MIRA 16:12)

1. Iz II khirurgicheskogo otdeleniya (zav. - chlen-korrespondent AMN SSSR prof. A.I. Rakov) Instituta onkologii AMN SSSR (dir. deystvitel'nyy chlen AMN SSSR prof. A.I. Serebrov).

FEDYUSHIN, Nikolay Dmitriyevich, inzh.; SAZONOV, A.G., red. izd-va; EL'KIND, V.D., tekhn. red.

[Table for determining the strength of circular pipes, hollow cylinders and tanks subjected to radial pressure] Tablitsy dlia opredeleniia prochnosti kruglykh trub, polykh tsillindrov i rezervuarov, podverzhennykh radial'nomu davleniiu. Moskva, Mashgiz, 1962. 96 p. (MIRA 15:3)
(Pipe) (Elastic plates and shells) (Tanks)

FEDYUSHIN, N.D.; DIKUSHIN, V.I., akademik, retsenzent; VERESHCHAGIN, L.F., retsenzent; SUVORINA, L.N., inzh., red.

[Selecting optimal variants of thick-walled structures; handbook] Vybor optimal'nykh variantov tolstostennykh konstruktsii; spravochnoe posobie. Moskva, Mashinostroenie, 1965. 81 p. (MIRA 18:6)

1. Chlen-korrespondent AN SSSR (for Vereshchagin).

BELEVTSEV, Ya.N.; KALYAYEV, G.I.; ZAGORUYKO, L.G.; SKURIDIN, S.A.; STRIGIN, A.I.; FEDYUSHIN, S.Ye.; FOMENKO, V.Yu.

Krivoy Rog-Kremenchug metallogenic zone. Geol.rud. mestorozh. no.6: 3-11 N-D '60. (MIRA14:3)

1. AN USSR, Geologicheskiy institut, Kiyev.
(Ukraine—Ore deposits)

BLELVTSEV, Ya.N.; ZAGORUYKO, L.G.; KALYAYEV, G.I.; MOLYAVKO, G.I.; SKURIDIN, S.A.; STRYGIN, A.I.; FEDYUSHIN, S.Ye.; FOMENKO, V.Yu.

Metallogenetic features of the Ukranian iron-ore province. Zakonom. razm. polezn. iskop. 5:82-109 '62. (MIRA 15:12)

1. Institut geologicheskikh nauk AN Ukrainskoy SSR.
(Ukraine—Ore deposits)

AYZENVERG, D.Ye.; BELEVTSEV, Ya.N.; BORDUNOV, I.N.; BORISENKO, S.T.; BULKIN, G.A.; GORLITSKIY, B.A.; DOVGAN', M.N.; ZAGORUYKO, L.G.; KAZAKOV, L.R.; KALYAYEV, G.I.; KARASIK, M.A.; KACHAN, V.G.; KISELEV, A.S.; LAGUTIN, P.K.; LAZARENKO, Ye.K.; LAZARENKO, E.A.; LAPITSKIY, E.M.; LAPCHIK, F.Ye.; LAS'KOV, V.A.; LEVENSHTEYN, M.L.; MALAKHOVSKIY, V.F.; NITKEYEV, M.V.; PRUSS, A.K.; SKARZHINSKIY, V.I.; SKURIDIN, S.A.; SOLOV'YEV, F.I.; STRYGIN, A.I.; SUSHCHUK, Ye.G.; TEPLITSKAYA, N.V.; FEDYUSHIN, S.Ye.; FOMENKO, V.Yu.; SHKOLA, T.N.; SHTERNOV, A.G.; YAROSHCHUK, M.A.; ZAVIRYUKHINA, V.N., red.

[Problems of metallogeny in the Ukraine] Problemy metallogenii Ukrainy. Kiev, Naukova dumka, 1964. 254 p. (MIRA 18:1)

1. Akademiya nauk URSR, Kiev. Instytut geologichnykh nauk.

FEDYUSHIN, V.P., Vet. and UTESHEV, A. I., Vet.
Kursk Veterinary Experimental Station
"Malignant catarrh fever of cattle."
SO; Veterinariya 27 (7), 1950, p. 28

USSR/Medicine (Veterinary) - Infectious Diseases Dec 51

"Ring Reaction for Diagnosing Brucellosis in Milch Cows," V. P. Fedyushin, L. A. Alekseyeva, Vet Physicians, Kursk Oblast Expt Sta

"Veterinariya" Vol XXVIII, No 12, pp 24, 25

PA 193T78

Describes technique of carrying out the diagnostic ring reaction or test for brucellosis in the milk of cows. A colored antigen supplied by the Brucellosis Lab, VIEV (All-Union Inst of Exptl Vet Med) is used: formation of a blue ring in milk indicates brucellosis infection. Compares results with

193T78

LC

USSR/Medicine (Veterinary) - Infectious Diseases (Contd) Dec 51

those obtained by application of RSK [reaction of complement fixation] and RA [reaction of agglutination], using std (test tube) and accelerated (plate) methods. Finds that the specificity of reactions varies with condition of animals and that all reactions must be used for diagnosis.

193T78

LC

FEDYUSHIN, V. P.

FEDYUSHIN, V. P. et al.

"Nonspecific Tuberculin Reactions in Cattle Attacked xit by Facciolae," Veterinariya, 29, No.6, 1952

Sci.Res. Vet. Exptl. Station

FEDYUSHIN, V. P.

"Results of Work of the Central Veterinary Section of the Shebekino District," Veterinariya, 29, No.8, p. 18, 1952

IYEZUITOVA, N.N.; UGOLEV, A.M.; FEDYUSHINA, I.N.

Effect of the perfusion rate on the cavitary and parietal hydrolysis of starch and sucrose. Dokl.AN SSSR 149 no.3:746-749 Mr '63. (MIRA 16:4)

1. Institut fiziologii im. I.P.Pavlova AN SSSR. Predstavleno akademikom V.N.Chernigovskim.

(DIGESTION) (SUCROSE) (STARCH)

YERMOLAYEVA, Antonina Nikitichna; ANTONENKO, Vera Vasil'yevna; KRYUCHKOVSKIY, Semen Arkad'yevich; VOLGAR', L.G., kand. biol. nauk, nauchn. red.; FEDYUSHINA, L.M., red.

[Biology for agriculture, Biochemistry, Biology and space; lists of recommended books] Biologiia - sel'skomu khoziaistvu, Khimiia zhizni, Biologiia i kosmos; rekomendatel'nye spiski literatury. Nauchn. red. L.G.Volgar'. Leningrad, 1963. 23 p. (Na temy dnia, no.7) (MIRA 17:2)

1. Leningrad. Publichnaya biblioteka.

FEDYUSHINA, L.P.

Characteristics of the thermal regime of the northern slope of the Trans-Ili Alatau. Trudy KazNIGMI no.22:71-81 '65.

Characteristics of the meteorological regime in the valleys of the Turgen' and Assy Rivers (northern slope of the Trans-Ili Alatau) in July 1963. Ibid.:82-87

(MIRA 18:11)

TRACHENKO, M.S.; FEDYUSHINA, L.P.

Some characteristics of the temperature and freezing of the soil in the foothills of the Trans-Ili Alatau. Trudy KazNIGMI no.22:106-112 '65.

(MIRA 18:11)

FEDYUSHINA, M. N.

USSR/Miscellaneous - Industrial tools

Card 1/1 Pub. 103 - 7/23

Authors : Malinkina, E. I. and Fedyushina, M. N.

Title : Cracks in files and means for their elimination

Periodical : Stan. i instr. 2, 23-24, Feb 1954

Abstract : The causes for the formation of cracks in files and steps for the prevention and elimination of file damages are discussed. Longitudinal cracks were found to originate during the hardening and immediately after the quenching of the newly manufactured files. Transverse cracks are assumed to originate during the heating in salt baths, in air furnaces, etc. Illustration

Institution : .....

Submitted : .....

LOGACHEV, Ye.D.; FEDYUSHINA, N.A.

The ability of connective tissues to form epidermal tissues in tapeworms under pathological conditions. Dokl.AN SSSR 103 no.6: 1131-1133 Ag '55. (MLRA 9:1)

1.Omskiy sel'skokhozyaystvennyy institut. Predstavleno akademikom K.I.Skryabinym.

(Tapeworms)

FEDYUSHINA, N. A.

USSR / Human and Animal Morphology. Nervous System. S-2
Peripheral Nervous System.

Abs Jour: Ref Zhur-Biol., No 14, 1958, 64818.

Author : ~~Fedyushina, N. A.~~
Inst : Omsk Medical Institute.
Title : On the Problem of the Pathomorphology of the Peripheral Section of the Nervous System in Tubercular Spondylitis.

Orig Pub: Tr. Omskogo med. in-ta, 1957, No 22, 70-92.

Abstract: In tubercular spondylitis of the spinal ganglia, and of their radicles and bundles of the bordering sympathetic trunk at the level of the seat of the lesion, a primarily non-specific inflammatory reaction develops. Along with this in seven cases out of 26, specific inflammation has been discovered with the formation of lymphoidal and epithelioidal tubercles in the epidural cellular tissue

Card 1/2

USSR / Human and Animal Morphology. Nervous System. S-2
Peripheral Nervous System.

Abs Jour: Ref Zhur-Biol,, No 14, 1958, 64818.

Abstract: and in the mass of the spinal cord bundles in their epineurial and perineurial radicles. Parallelism was observed between the duration of the illness, the gravity of its course, and the expression of morphological changes. Inflammatory-sclerotic changes combine with dystrophic changes of the nerve elements and mutually condition each other. Occasionally the manifestation of regeneration on the part of the nerve cells of the ganglia and the nerve fibers was observed. In all instances, there was a proliferation of the glia. In 15 cases, paralyses or pareses, contractures, bed-sores, or atrophy of muscles and bones appeared. -- G. I. Vavilin.

Card 2/2

FEDYUSHINA, N. A.

Cand Med Sci - (diss) "Pathomorphology of the peripheral section of the nervous system during tuberculosis of the bones and joints." Kemerovo, 1961. 18 pp; (Ministry of Public Health RSFSR, Omsk State Medical Inst imeni M. I. Kalinin); number of copies not given; price not given; (KL, 5-61 sup, 207)

USSR/Virology - Human and Animal Viruses. E-3

Abs Jour : Ref Zhur - Biol., No 12, 1958, 52658

Author : Likhachev, N.V., Shayn, D.A., Fedyushina, T.M.
Inst : -
Title : Experimental Preparation of a Tissue Vaccine Against Sheep Smallpox.

Orig Pub : Inform. byul. biol., prom-sti, 1957, No 2, 8-12

Abstract : In order to avoid loss of virus in tissues, the preparation is recommended of a vaccine from a virus suspension in the proportion of 1:20 (without quinosol) containing 20% glycerine. A tissue aluminum hydroxide vaccine, introduced in 2 ml doses, creates a stable immunity in sheep, serviceable for a period of no less than 8 months; the output of material from infected sheep is increased considerably in preparing a tissue vaccine. Since the dose in this method is smaller 2½ times as many animals can be vaccinated with the same amount of vaccine.

Card 1/1

KOLIYEV, M.F.; FEDYUSHKIN, M.Ye.; FEDYUSHKINA, T.T., veterinarnyy vrach (Severo-Osetinskaya ASSR)

Problems in local epizootiology and control of leptospirosis. Veterinariia 42 no.7:28-29 Jl '65. (MIRA 18:9)

1. Nachal'nik veterinarnogo otdela Severo-Osetinskoy respublikanskoy veterinarnoy laboratorii (for Koliyev). 2. Direktor Severo-Osetinskoy respublikanskoy veterinarnoy laboratorii (for Fedyushkin).

KORZENKO, V.N.; SAYKOVSKAYA, V.A.; PROTASENYA, S.G.; KOLIYEV, M.F. (Severo-Osetinskaya ASSR); FEDYUSHKIN, M.Ye.; FEYTENGEYMER, V.A., kand. veter. nauk; YAMASHEV, S.G., kand. veter. nauk; AKHMETZYANOV, F.Kh., mladshiy nauchnyy sotrudnik; SHVETSOV, K.A., veterinarnyy vrach; GANIYEV, M.K., prof.; FARZALIYEV, I.A., dotsent

Smallpox in cattle. Veterinariia 41 no.7:31-34 Jl '64. (MIRA 18:11)

1. Belorusskiy institut epidemiologii i gigiyeny (for Korzenko, Saykovskaya, Protasenya). 2. Direktor Severo-Osetinskoy respublikanskoy veterinarnoy laboratorii (for Fedyushkin). 3. Kazanskiy veterinarnyy institut (for Feytengeymer, Yamashev, Akhmetzyanov, Shvetsov). 4. Azerbaydzhanskiy nauchno-issledovatel'skiy veterinarnyy institut (for Ganiyev, Farzaliyev).

FEDYUSHKIN, M.F.; SALIYEV, A.A.

The oldest veterinary laboratory. Veterinariia 42 no.11:10-13 N '65. (MIRA 19:1)

1. Direktor Severo-Osetinskoy respublikanskoy veterinarnoy laboratorii (for Fedyushkin). 2. Prorektor Sel'skokhozyaystvennogo instituta Severo-Osetinskoy ASSR (for Saliyev).

FEDYUSHKINA, K. M.

USSR/Chemistry - Alkaloids 21 Nov 51

"Synthetic Research in the Series of Alkaloids of Ipecac and Cinchona," N. A. Preobrazhenskiy, R. P. Yevstigneyeva, T. S. Levchenko, K. M. Fedyushkina "Dok Ak Nauk SSSR" Vol LXXXI, No 3, pp 421-423

The steps in the synthesis of substances leading to alkaloids of the emetine group had been described. Glutaconic acid ester and alkyl-substd cyanoacetic esters were the starting materials. Also presents a parallel schema for a synthesis starting with the diethyl ester of alpha, beta-dihydromuconic acid. This opens the way to the synthesis of quinine over homocroquinene. In general the procedures described permit syntheses of compds contg naroquinene and homonariquinene groupings (also of corresponding dihydro compds), thus leading to ipecacuanha and cinchona alkaloids.

PA 214T18

5 2200 1043, 1087, 1208

S/080/61/034/001/006/020
A057/A129

AUTHORS: Goroshchenko, Ya.G., Babkin, A.G., Mayorov, V.G., Fedyushkina, S.A.

TITLE: Continuous Separation of Niobium and Tantalum by Extraction With Cyclohexanone

PERIODICAL: Zhurnal Prikladnoy Khimii, 1961, Vol. 34, No. 1, pp. 43-49

TEXT: Based on previous investigations [Ref.1: Ya.G. Goroshchenko, M.I. Andreyeva, A.G. Babkin, ZhPKh, 32,9,1904-1913 (1959)] on distribution of niobium, tantalum and hydrofluoric acid between diluted sulfuric acid and cyclohexanone, a flow-sheet for the continuous extraction of niobium from tantalum has been developed. The method ensures the treatment of residual solutions obtained by conventional processing of titanium ores. In the present investigations these solutions contained: H_2SO_4 340-400 g/l, $(NH_4)_2SO_4$ 180-200 g/l, Nb_2O_5 7-15 g/l, Ta_2O_5 1.5 g/l, TiO_2 3-4 g/l. The main process is a consecutive cyclohexanone extraction with tantalum extracted first, because for the extraction of niobium a considerably higher concentration of sulfuric acid than for tantalum is necessary. The separation occurs continuously in coun-

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S/080/61/034/001/006/020
A057/A129

Continuous Separation of Niobium and Tantalum by Extraction With Cyclohexanone

terflow-extraction columns (see Fig.1) with cyclohexanone saturated with hydrofluoric acid. In column No.1 tantalum is extracted from the aqueous H_2SO_4 phase, in column No.2 from the tantalum-bearing cyclohexanone phase niobium impurities are washed out, in column No.3 tantalum is re-extracted with ammonium fluoride solution, in No.4 niobium is extracted from the aqueous H_2SO_4 phase and in No.5 niobium is re-extracted with ammonium fluoride solution, in No.6 cyclohexanone from the tantalum circuit is saturated by hydrofluoric acid from the spent sulfuric acid solution and recirculated, while in column No.7 cyclohexanone from the niobium circuit is saturated with hydrofluoric acid. Transition of tantalum and niobium salts from the aqueous into the organic phase eliminates titanium, iron and rare-earth metal impurities. The scope of the present work was to determine the design of the columns and the optimum conditions for extraction. The experiments were carried out in a non-packed laboratory column. After equilibrium conditions were reached, periodically (in 10-15 min intervals) samples of the emulsion were taken out along the column (from top to the bottom). Thus the fractionating capacity was determined and from the experimental data combined diagrams were plotted:

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A057/A129

Continuous Separation of Niobium and Tantalum by Extraction With Cyclohexanone

left - extraction as function of the height of the column, right - extraction as function of the number of equilibrium stages (Fig.3-6). From these diagrams the height of the column equivalent to one equilibrium stage and the height required for the extraction was determined. Corresponding to the obtained experimental results in a table (see table) data related to the design of extraction columns are given. In order to avoid linear or spiral flow of the liquid, it is recommended to design the mixing zone in the form of a "squirell cage". The described flow-sheet permits the production of tantalum pentoxide to be carried out containing no more than: TiO_2 0.15%, SiO_2 1.0%, Fe_2O_3 0.25%, SO_3 0.40%, and niobium pentoxide containing no more than: TiO_2 0.30%, SiO_2 0.55%, Fe_2O_3 0.25%, SO_3 0.15%. The content of Nb in Ta and of Ta in Nb can be regulated by changing the extraction conditions. The presented method is also suggested for extraction of Nb-Ta concentrates and other related raw materials. In presence of chlorine ions and iron, the latter must be eliminated to avoid extraction with cyclohexanone. There are 6 figures, 1 table, and 4 Soviet references.

Card 3/10

GOROSHCHENKO, Ya.G.; MAYOROV, V.G.; FEDYUSHKINA, S.A.

Salting out double titanyl and ammonium sulfates from sulfuric acid solutions containing iron. Titan i ego splavy no.9:158-161 '63.
(MIRA 16:9)

(Titanyl ammonium sulfate)
(Hydrometallurgy)

KOLIYEV, M.F.; FEDYUSHKIN, M.Ye.; FEDYUSHKINA, T.T., veterinarnyy vrach (Severo-Osetinskaya ASSR)

Problems in local epizootiology and control of leptospirosis. Veterinariia 42 no.7:28-29 Jl '65. (MIRA 18:9)

1. Nachal'nik veterinarnogo otdela Severo-Osetinskoy respublikanskoy veterinarnoy laboratorii (for Koliyev). 2. Direktor Severo-Osetinskoy respublikanskoy veterinarnoy laboratorii (for Fedyushkin).

Granulation of solution ... P. M. ...

MELINSHIN, S., vrach, deputat Truskavetskogo gorodskogo Soveta; SMIYAN, I., kand.med.nauk (Truskavets); FEDYUSHKO, M., vrach (Truskavets); BOCHKO, L. (Truskavets)

Let a pearl have a worthy setting. Okhr. truda i sots. strakh. 5 no.9:20-22 S '62. (MIRA 16:5)

1. Chlen Truskavetskogo gorodskogo komiteta professional'nogo soyuza meditsinskikh rabotnikov (for Smiyan). 2. Predsedatel' mestnogo komiteta sanatoriya No.4, Truskavets (for Fedyushko). 3. Spetsial'nyy korrespondent zhurnala "Okhrana truda i sotsial'noye strakhovaniye" (for Bochko).
(TRUSKAVETS—HEALTH RESORTS, WATERING PLACES, ETC.)

AUTHORS: Fefelov, A.I., Kostromitin, L.A. 32-11-49/60

TITLE: A Device for the Determination of the Velocity of the Fall of Particles of Finely Dispersed Materials (Ustanovka dlya opredeleniya skorosti padeniya chastits melkodispersnykh materialov)

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 11, pp. 1392-1393 (USSR)

ABSTRACT: As the fine grains of material are mostly not round, their falling speed can be determined only by means of an experiment. For this purpose a device fitted with an oscillograph may be used, which is also recommended in this paper. It consists of a vertical tube which, in its upper part, has a closing device with a funnel. Through the funnel the substance to be tested is introduced in form of powder, after which it falls on to the camera with a photoelement which is located below it. The photocurrent is fixed upon the film of the oscillograph. For the illumination of the photoelements 6 incandescent bulbs are provided in the upper part of the camera, which is supplied with current by means of a battery. As soon as the particles of the sample substance supplied through the funnel begin to fall, exposure of the photoelement remains unchanged until the particles begin to settle upon the glass plate arranged immediately above the photoelements thus

Card 1/2

A Device for the Determination of the Velocity of the Fall of Particles of Finely Dispersed Materials

preventing the light of the 6 bulbs from illuminating it, which, gradually, leads to a reduction of the current in the photoelements. This process goes on until all particles have fallen onto the glass plate, after which uniform (reduced) illumination of the photoelements again sets in. The line of the oscillograph on this occasion first shows a horizontal, and later a downward curved, and finally again a horizontal direction. The speed of fall of the particles can herefrom therefore be computed. In this connection the path taken by the particles in the tube until they reached the glass plate and the beginning and ending of the process of their settling upon the glass plate is taken into account. There are 2 figures.

ASSOCIATION: Ural'skiy Scientific Research Institute (Ural'skiy nauchno-issledovatel'skiy institut)

AVAILABLE: Library of Congress

Card 2/2

5(2) SOV/80-32-3-9/43

AUTHORS: Fefelov, A.I., Lyapustina, Ye.M.

TITLE: On the Rate of the Burning Process of Flotation Pyrite in Suspension (O skorosti protsessa obzhiga flotatsionnogo kolchedana vo vzveshennom sostoyanii)

PERIODICAL: Zhurnal prikladnoy khimii, 1959, Vol XXXII, Nr 3, pp 515-523 (USSR)

ABSTRACT: The burning of flotation pyrite in suspension is studied in a vertical pipe furnace with a height of 1.5 m and an inner diameter of 72 mm (Figure 1). The relation between reaction rate and temperature is shown in Figure 2. In the interval of 485 - 580°C the reaction rate increases sharply. Between 580 and 780°C there is almost no change. In the interval 780 - 1,155°C the rate rises again with the temperature but more slowly. The apparent energy of activation corresponds to the reaction rate: in the first interval it is 52,300 cal/mole, in the second 620 cal/mole and in the third 3,400 cal/mole. The burning of the suspended pyrite is very intense. At 700 - 750°C the elimination of the sulfur in sulfides reaches 95% within 0.5 sec. At 1,000°C 98.5% are eliminated. The in-

Card 1/2

On the Rate of the Burning Process of Flotation Pyrite in Suspension

crease of the reaction time from 0.5 to 2 sec raises the degree of elimination only by 0.5%. Under industrial conditions the pyrite contains admixtures of SiO_2, CaO, etc, so that the sulfur content is as low as 33.30%. In such a case the degree of sulfur elimination is only 96% at a temperature of 800°C. There are 5 graphs, 7 photos, 1 diagram and 11 Soviet references.

SUBMITTED: September 18, 1957

Card 2/2

FEFELOV, A.I., kandidat meditsinskikh nauk (Tashkent)

A case of neurinomas in the maxillofacial region. Stomatologiia 36 no.4:53-54 Jl-Ag '57. (MIRA 10:11)
(JAWS--TUMORS)

FEFELOV, A.I., kand.med.nauk (Tashkent).

Osteosynthesis of fractures of the lower jaw using a metal nail.
Stomatologiia 37 no.5:71-73 S-O '58 (MIRA 11:11)
(JAWS--FRACTURES)

LYAPUSTINA, Ye.M.; FEFELOV, A.I.

Effect of the concentration of sulfur dioxide and of the secondary air blast on the recovery of sulfur from pyrite by roasting. Khim. prom. no. 6:512 S '60. (MIRA 13:11)
(Sulfur dioxide) (Sulfur)

FEFELOV, Nikolay Aleksandrovich; KOVALEV, A.M., inzh., ved. red.; TAMBOVTSEV, S.P., kand. tekhn. nauk, red.; SOROKINA, T.M., tekhn. red.

[Rapid turning of heat-treated chromium-nickel steel]Skorostnoe tochenie termoobrabotannoi khromonikelevoi stali. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 21 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 10. No.M-58-74/12) (MIRA 16:3)
(Chromium-nickel steel) (Metal cutting)

FEFELOV, N.A.

25(1) PHASE I BOOK EXPLOITATION SOV/1339

Shifrin, Abram Shmerovich, Boris Gustavovich Levin, Il'ya Iosifovich Livshits, Moisey Isaakovich Pisarevskiy, and Nikolay Aleksandrovich Fefelov

Vysokoproizvoditel'naya kholodnaya obrabotka metallov (Efficient Cold Working of Metals) Moscow, Mashgiz, 1958. 294 p. 7,000 copies printed.

Reviewer: Vul'f, A.M., Candidate of Technical Sciences; Ed. (Title page): Lomachenkov, S.Ye., Engineer; Ed. (Inside book): Morozov, V.D.; Candidate of Technical Sciences; Ed. of Publishing House: Borodulina, I.A.; Tech. Ed.: Pol'skaya, R.G.; Managing Ed. for Literature on Machine Building Technology (Leningrad Division, Mashgiz): Naumov, Ye.P., Engineer.

PURPOSE: The book may be of use to process engineers, machine tool designers and personnel of plant and institute laboratories for metal cutting.

COVERAGE: The book presents the special features of the processes of cutting hard-to-work austenitic and other steel grades. Rational

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designs of single-point tools, drills, taps, face milling cutters and cutting regimes for high-productivity machining of these steels are described. Standard methods of conducting investigations of turning, milling and drilling of metals are given along with quick simplified methods for determining metal machinability. Turning, drilling and milling dynamometer constructions are given. Problems of precision thread rolling on thread rolling machines with die rolls are treated. No personalities are mentioned. There are 55 references of which 53 are Soviet, 1 is English and 1 is German.

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AVAILABLE: Library of Congress

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FEFELOV, P.

Fefelov, P. - "People on the Messo River", (A fishing kolkhoz in the struggle to fulfill the plan, in Tazovskiy Rayon, Yamalo-Numets National Okrug, outline), Sib. ogni, 1948, No. 6, p. 78-90.

So: U-3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 7, 1949).

ACCESSION NR: AT4035117 S/3092/63/000/001/0193/0203

AUTHORS: Maly*shev, I. F.; Popkovich, A. V.; Fefelov, P. A.; Sokolov, Yu. A.

TITLE: Vacuum chambers for strong focusing synchrotrons

SOURCE: Moscow. Nauchno-issledovatel'skiy institut elektrofizicheskoy apparatury*. Elektrofizicheskaya apparatura; sbornik statey, no. 1, 1963, 193-203

TOPIC TAGS: cyclic accelerator, electron accelerator, proton accelerator, electron synchrotron, proton synchrotron, strong focusing accelerator, vacuum equipment

ABSTRACT: Some designs of vacuum chambers for strong-focusing accelerators, developed in recent years in NIIEFA, are described. The description is preceded by an exposition of the requirements imposed on the design of accelerator vacuum chambers with respect to the

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uniformity of the field, injection energy, injection geometry, desired intensity, the chamber aperture, the required vacuum, the materials, and other factors. This is followed by a description of the 7-BeV proton synchrotron and the 6-BeV proton synchrotron vacuum chamber and their individual parts. The 7-BeV proton synchrotron vacuum chamber consists of a ring about 80 mm in diameter having 112 curvilinear sections placed in the gaps of the magnet blocks, and 112 straight-line sections between the blocks. The main elements of the ring are the curved sections, the majority of which constitute thin corrugated tubes of elliptical cross section with flanges welded on the end. Each tube is approximately 2 meters long, has inside dimensions 84 x 114 mm (axes of the ellipse), and is made of 1Kh18N9T stainless steel 3 mm thick, the corrugations being 3 mm high at a spacing of 7 mm. The 6-BeV electron synchrotron chamber is a ring approximately 70 meters in diameter, consisting of 48 curvilinear sections and 48 straight-line sections. Each curvilinear section (radius of curvature ~25 meters) is approximately

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3.8 meters long and has inside dimensions 44 x 120 mm. The tube is 1.5 mm thick and is not corrugated. The forms used to shape the vacuum chamber tubes are described, along with the vacuum systems. Orig. art. has: 8 figures and 2 formulas.

ASSOCIATION: None

SUBMITTED: 00 DATE ACQ: 07May64 ENCL: 00

SUB CODE: NP NR REF SOV: 004 OTHER: 003

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MARTYUGOV, G.M.; FEFELOV, P.A.

Method for measuring the gas yield from construction polymers due to radiation. Elektrofiz. app. no.2:160-168 '64.
(MIRA 18:3)

LOZA, G.M., prof.; FEFELOV, V.P., aspirant

Determining the economic effectiveness of agricultural machinery (based on the evaluation of machinery in the over-all mechanization of corn cultivation). Izv. TSKhA no.4:187-208 '58. (MIRA 11:10)
(Agricultural machinery)

LOZA, G.M., prof.; FEFELOV, V.P., kand.ekonomicheskikh nauk

Evaluating the quality of performance of agricultural machines on the basis of the economic effectiveness of their use. Izv. TSKhA no.2:27-38 '60. (MIRA 14:4)

(Agricultural machinery)

FEFELOV, V.P.

[Methods for determining the economic effectiveness of machine in agriculture] Metodika opredeleniia ekonomicheskoi effektivnosti mashin v sel'skom khoziaistve; avtoreferat dissertatsii na soiskanie uchenoi stepeni kandidata ekonomicheskikh nauk. Moskva, Mosk. sel'khoz.akad., 1959. 24 p. (MIRA 15:1)
(Agricultural machinery--Economic aspects)